

Figure 1

The synthetic route for the preparation of block copolymer, possessing a hydrophobized polyelectrolyte block.

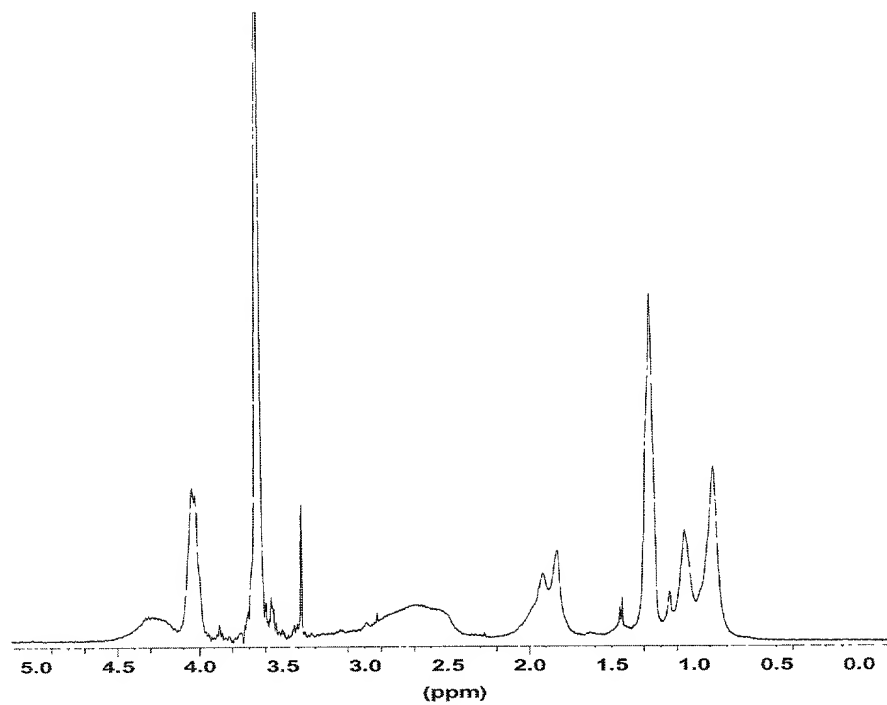


Figure 2

$^1\text{H}$  NMR spectrum of PEG-*b*-P(DMAEMA<sub>70</sub>-co-EMA<sub>30</sub>) in  $\text{CDCl}_3$ .

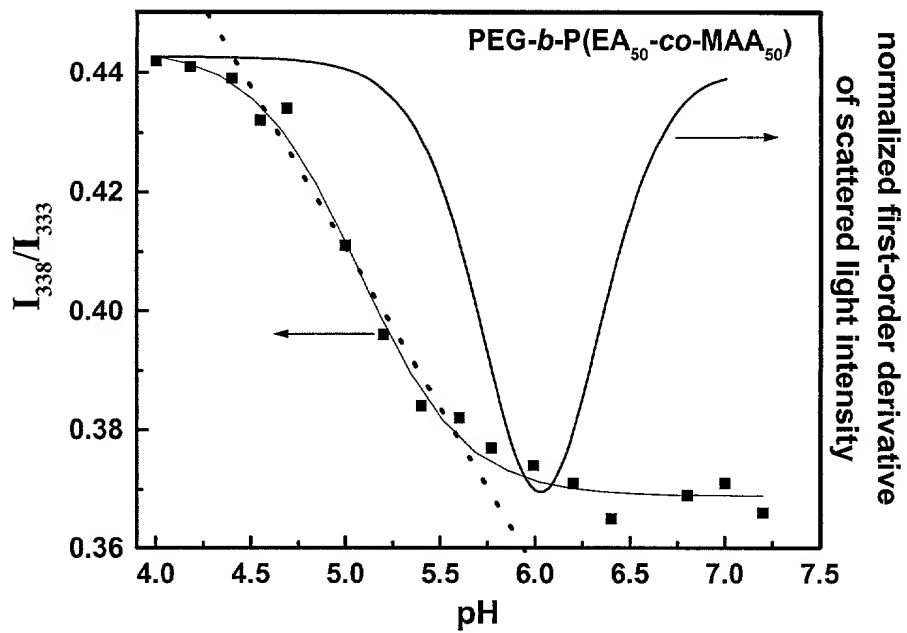


Figure 3

The variation in light scattering and pyrene fluorescence  $I_{338}/I_{333}$  ratio of a PEG-*b*-P(EA<sub>50</sub>-co-MAA<sub>50</sub>) aqueous solution as a function of pH.

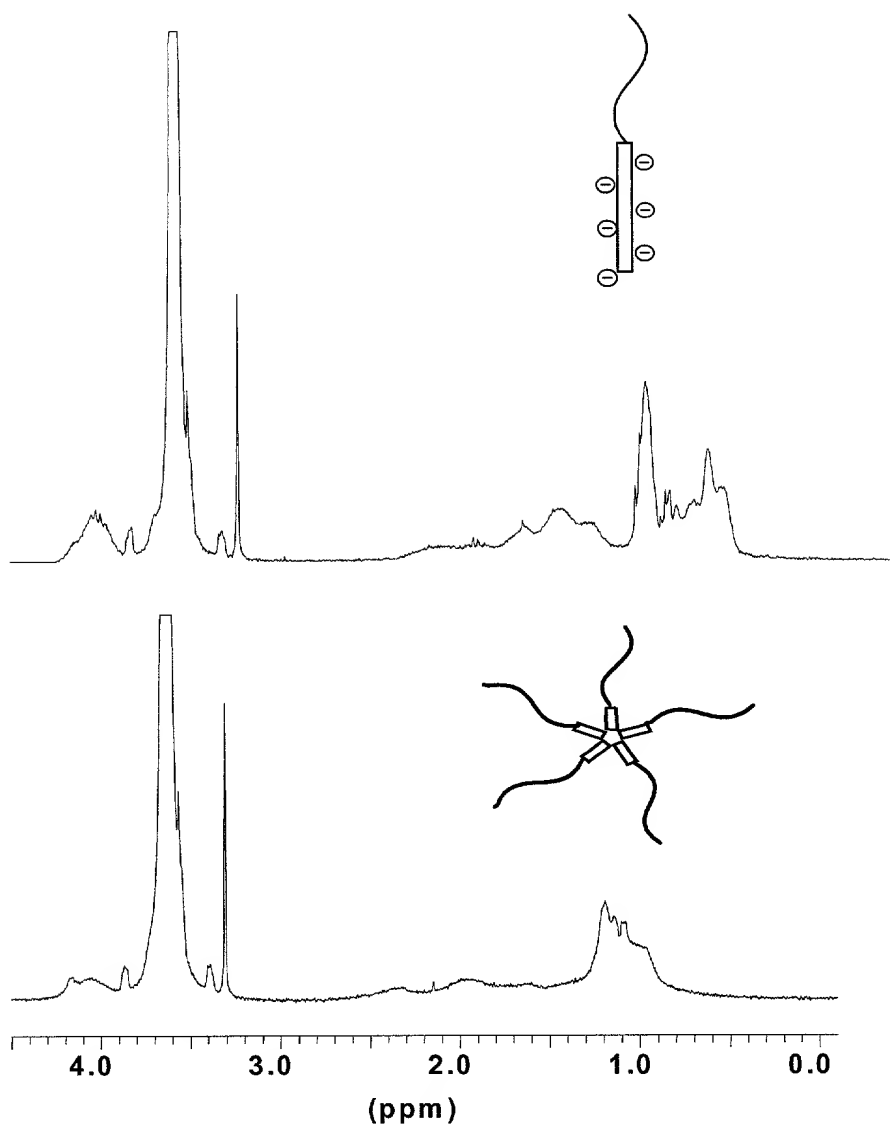


Figure 4  
 $^1\text{H}$  NMR spectrum of PEG-*b*-P(EA<sub>50</sub>-*co*-MAA<sub>50</sub>) in D<sub>2</sub>O at pH 10 (A)  
 and at pH 3 (B).